

**REISSUE PATENT APPLICATION TRANSMITTAL**

Address to:

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Attorney Docket No.	P15397XR
First Named Inventor	Robert W. Heath, Jr.
Original Patent Number	6,298,092
Original Patent Issue Date (Month/Day/Year)	October 2, 2001
Express Mail Label No.	EV324060302US

**APPLICATION FOR REISSUE OF:**

(Check applicable box)



Utility Patent



Design Patent



Plant Patent

**APPLICATION ELEMENTS (37 CFR 1.173)**

1. ☒ Fee Transmittal Form (PTO/SB/56)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification and Claims in double column copy of patent format  
(amended, if appropriate)
4. ☒ Drawing(s) (proposed amendments, if appropriate)
5. ☒ Reissue Oath/Declaration (original or copy)  
(37 CFR 1.175) (PTO/SB/51 or 52)
6. ☒ Power of Attorney
7. ☒ Original U.S. Patent currently assigned? ☒ Yes ☐ No  
(If Yes, check applicable box(es))
  - ☒ Written Consent of all Assignees (PTO/SB/53)
  - ☒ 37 CFR 3.73(b) Statement (PTO/SB/96)
8. ☐ CD-ROM or CD-R in duplicate, Computer Program (Appendix)  
or large table
9. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all of the following are necessary)
  - a. ☐ Computer Readable Form (CFR)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM (2 copies) or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

10. ☒ Statement of status and support for all  
changes to the claims. See 37 CFR 1.173(c).
11. ☐ Original Patent Grant
  - ☐ Ribboned Original Patent Grant
  - ☐ Statement of Loss (PTO/SB/55)
12. ☐ Foreign Priority Claim (35 U.S.C. 119)  
(if applicable)
13. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS  
Citations
14. ☐ English Translation of Reissue Oath/Declaration  
(if applicable)
15. ☒ Preliminary Amendment
16. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
17. Other: \_\_\_\_\_

16591 U.S. PTO  
10/678053**18. CORRESPONDENCE ADDRESS**

Customer Number:

25694

OR ☐

Correspondence address below

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Michael A. Proksch

Registration No. (Attorney/Agent)

43,021

Signature

Date

10/2/2003

This collection of information is required by 37 CFR 1.173. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Reissue, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**REISSUE APPLICATION FEE TRANSMITTAL FORM**Docket Number (Optional)  
P15397XR

## Claims as Filed – Part 1

	(1) Claims in Patent	(2) Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	(A) 55	(B) 55	**** 35 =	x \$ _____ =		or	x \$ 18 = 630
Independent claims (37 CFR 1.16(i))	(C) 4	(D) 4	* 1 =	x \$ _____ =			x \$ 86 = 86
Basic Fee (37 CFR 1.16(h))				\$ _____			\$ 770
Total Filing Fee				\$ _____		OR	\$ 1486.00

## Claims as Amended – Part 2

	(1) Claims Remaining After Amendment	(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	*** 75	MINUS	** 55	* = 20	x \$ _____ =		x \$ 18 = 360
Independent Claims (37 CFR 1.16(i))	*** 8	MINUS	***** 4	= 4	x \$ _____ =		x \$ 86 = 344
Total Additional Fee				\$ _____		OR	\$ 704.00

\* If the entry in (D) is less than the entry in (C), Write "0" in column 3.

\*\* If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.

\*\*\* After any cancellation of claims.

\*\*\*\* If "A" is greater than 20, use (B – A); if "A" is 20 or less, use (B – 20).

\*\*\*\*\* "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).

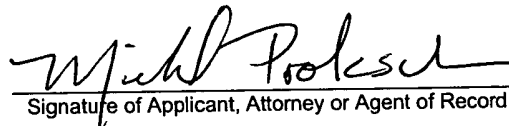
☐ Applicant claims small entity status. See 37 CFR 1.27.☒ Please charge Deposit Account Number 50-0221 \_\_\_\_\_ in the amount of \$2190.  
A duplicate copy of this sheet is enclosed.☒ The Director is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account Number 50-0221 \_\_\_\_\_.  
A duplicate copy of this sheet is enclosed.☐ A check in the amount of \$ \_\_\_\_\_ to cover the filing/additional fee is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

October 2, 2003

Date

43,021

Registration Number, if applicable


 Signature of Applicant, Attorney or Agent of Record

Michael A. Proksch

Typed or printed name

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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# **REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT**

Docket Number (Optional)

P15397XR

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s)

Robert W. Heath, Jr.; Peroor K. Sebastian; Aroqvaswami J. Paulraj

Patent Number

6.298.092

Date Patent Issued

October 2nd, 2001

Title of Invention

Methods of Controlling Communication Parameters of Wireless Systems

1. ☒ Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)

2. ☐ Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.

One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

The assignee(s) owning an undivided interest in said original patent is/are Intel, Corporation,  
and the assignee(s) consents to the accompanying application for reissue.

Name of assignee/inventor (if not assigned)

Signature



Date

October 2nd, 2003

Typed or printed name and title of person signing for assignee (if assigned)

Michael A. Proksch  
Sr. Patent Counsel, Intel Corporation  
Reg. No. 43,021

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**STATEMENT UNDER 37 CFR 3.73(b)**page 1 of 2Applicant/Patent Owner: Robert W. Heath, Jr., et al.Application No./Patent No.: 6,298,092 Filed/Issue Date: October 2, 2001Entitled: Methods of Controlling Communication Parameters of Wireless Systems

Intel Corporation, a Corporation  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or

2. ☐ an assignee of less than the entire right, title and interest.  
 The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
 in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

**OR**

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventors (Heath, Jr. et al.) To: Gigabit Wireless, Inc.  
 The document was recorded in the United States Patent and Trademark Office at Reel 011216, Frame 0241, or for which a copy thereof is attached.
2. From: Gigabit Wireless, Inc. To: Iospan Wireless, Inc.  
 The document was recorded in the United States Patent and Trademark Office at Reel 011336, Frame 0876, or for which a copy thereof is attached.
3. From: Iospan Wireless, Inc. To: Intel Corp.  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

\*\* Filed April 29, 2003 (copies of which are enclosed)

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.  
 [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

A copy of the legal assignment from Iospan Wireless, Inc. to Intel Corp is attached.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

October 2, 2003Date503.264.3059Telephone numberMichael A. Proksch, Reg. No. 43,021Typed or printed nameMichael ProkschSignatureSr. Patent Counsel, Intel CorporationTitle

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**Statement under 37 CFR §3.73(b): Additional Documents in the Chain of Title**

1) Copy of Legal Assignment of 8 patents including, inter alia, USP 6,298,092 from Iospan Wireless, Inc. to Intel Corp., executed by Levent Gun, President and CEO of Iospan Wireless, Inc. and notarized on September 17<sup>th</sup>, 2002.

- 2) Copies of Notice of Recordation of Assignment between
- a) Inventors (Heath, Jr. et al) to Gigabit Wireless, Inc.; and
  - b) Gigabit Wireless, Inc. to Iospan Wireless, Inc.

Respectfully submitted,  
Robert W. Heath, Jr., et al.

Date: October 2, 2003

by:   
Michael A. Proksch, Reg. No. 43,021  
Sr. Patent Counsel for Assignee  
Intel, Corporation